

CLAIMS

1. A roller, particularly for applying varnishes onto sheet metal plates, comprising

- a hollow roller core (10),
- pins (16,18) for receiving the roller in a printing machine,
- coupling elements (20,22) for connecting the pins (16,18) with the roller core (10) so that a roller interior (44) is formed,

characterized in that

the coupling elements (20,22) are arranged so as to be inwardly offset with respect to the roller front faces (26),

air exit openings (32) are provided in a border region (28) of the roller core (10) outside the coupling elements (20,22), and

a channel forming element (34) for forming a junction channel (36) between the air exit openings (32) and the roller interior (44) is provided.

2. The roller of claim 1, characterized in that the channel forming element (34) is inserted into the roller core (10).
3. The roller of claim 1 or 2, characterized in that the channel forming element (34) has a L-shaped cross section so that the junction channel (36) is formed through the channel forming element (34) and an inner wall (24) of the roller core (10).
4. The roller of one of claims 1 - 3, characterized in that the channel forming element (34) is annular.

5. The roller of one of claims 1 - 4, characterized in that one of the coupling elements (20,22) comprises at least one opening (42) communicating with the junction channel (36) and the roller interior (44).
6. The roller of one of claims 1 - 5, characterized in that one of the coupling elements (20,22) comprises a connection element (46) for the connection with a source of compressed air.
7. The roller of one of claims 1 - 6, comprising a sleeve (12) drawn up onto the roller core (air mandrel) (10).
8. A method for drawing a sleeve (12) onto a roller core (10) of a roller according to one of claims 1 - 7, wherein

an air film is formed between the sleeve (12) and an outside of the roller core (10), and

the sleeve (12) is slid or drawn onto the roller core (10) at the side of the channel forming element (34).
9. Use of a sleeve (12) for being drawn onto a roller core (10) of a roller according to one of claims 1 - 7.